

**DATE:** April 13, 1999

**TO:** Region Engineers  
Region Associate Delivery Engineers  
Region Construction Engineers  
TSC Managers  
Resident/Project Engineers

**FROM:** C. Thomas Maki  
Chief Operations Officer

Gary D. Taylor  
Chief Engineer/Deputy Director  
Bureau of Highway Technical Services

**SUBJECT:** Bureau of Highway Instructional Memorandum 1999-5  
Materials Quality Assurance Procedures Manual Section E (Revised)  
Independent Assurance Test Procedures

This instructional memorandum revises Section E, Independent Assurance Test (IAT) Procedures, of MDOT's Materials Quality Assurance Procedures Manual. This revision is in accordance with all program requirements for independent assurance testing as stated in CFR 23, Part 637, Subpart B - Quality Assurance Procedures for Construction. The revisions to the manual are the result of a re-engineering of the entire IAT process with input from the Construction and Technology Division, region staff, and the Federal Highway Administration.

This BOH IM implements changes in four areas of the current IAT program for the 1999 construction season.

1. The requirement for conducting IATs will extend only to those federal aid projects on National Highway System (NHS) routes.
2. IAT program requirements apply to all technicians. This includes MDOT technicians, consultant construction engineering personnel conducting acceptance testing as MDOT representatives, local agency technicians or consultants, and contractor personnel performing QC/QA testing on concrete and bituminous QC/QA projects.
3. Within the constraints of the IAT program, it is the responsibility of the region/TSC IAT coordinator and the resident/delivery engineer to determine the need for tests and to designate appropriate personnel to conduct the IAT.
4. The IAT frequency requirements specified in this IM replace those in the noted sections of the Materials Quality Assurance Manual as follows;

Section E2 - Soil and Bituminous Density Independent Assurance Testing

1.2 (delete)

2.1 (delete)

2.1.2 The tester performing acceptance density testing will have a minimum of one satisfactory IAT per season/per type of density test being performed.

2.3 (delete)

Section E3 - Portland Cement Concrete Independent Assurance Testing

2.1 (delete)

Section E4 -Aggregates Independent Assurance Testing

2.1 (delete)

2.3 Local Government Technicians - A minimum of one IAT per season is required.

Section E5 - Bituminous Mixtures Independent Assurance Testing

(no revision at this time)

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Chief Operations Officer

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Chief Engineer/Deputy Director  
Bureau of Highway Technical Services

BOHTS:C&amp;T:JAR:jp

Subject Index: IAT

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